

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims filed in the instant application. Please amend claims 1, 5, 6, 10, 11 as follows:

Claim 1 (Currently amended): An isolated nucleic acid molecule comprising a nucleotide sequence encoding a cynomolgus monkey Dickkopf-4 (cDkk-4) protein ~~which has an~~ comprising the amino acid sequence as set forth in SEQ ID NO:2.

Claim 2 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is a DNA.

Claim 3 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is an RNA.

Claim 4 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is a cDNA.

Claim 5 (Currently amended): The isolated nucleic acid of Claim 1 wherein the nucleic acid has ~~a~~ the nucleotide sequence as set forth in SEQ ID NO:1.

Claim 6 (Currently amended): An isolated protein comprising ~~an~~ the amino acid sequence as set forth in SEQ ID NO:2.

Claims 7-9 (Cancelled)

Claim 10 (Currently amended): A method for producing a cynomolgus monkey Dickkopf-4 (cDkk-4) protein comprising the amino acid sequence as set forth in SEQ ID NO:2 which binds a low-density lipoprotein receptor protein 5 (LRP5) comprising:

- (a) providing a nucleic acid encoding the cDkk-4 protein operably linked to a heterologous promoter;
- (b) introducing the nucleic acid into a cell to produce a recombinant cell; and
- (c) culturing the recombinant cell under conditions which allows expression of the cDkk-4 protein to produce the cDkk-4.

Claim 11 (Currently amended): A method for determining whether an analyte is an antagonist of Dickkopf 4 (Dkk-4) comprising:

- (a) providing a polypeptide comprising the extracellular domain of a Dkk-4 receptor;
- (b) contacting the polypeptide with a cynomolgus monkey Dkk-4 (cDkk-4) protein comprising the amino acid sequence as set forth in SEQ ID NO:2 and the analyte; and
- (c) determining whether binding of the cDkk-4 to the polypeptide is decreased in the presence of the analyte, wherein a decrease in the binding indicates that the analyte is an cDkk-4 antagonist.

Claim 12 (Original): The method of claim 11, wherein the Dkk-4 receptor is low-density lipoprotein receptor related protein 5 (LRP5) or low density lipoprotein receptor related protein 6 (LRP6).

Claim 13 (Original): The method of claim 11, wherein the Dkk-4 receptor is kremen1 or kremen2.

Claim 14 (Original): The method of Claim 11 wherein the cDkk-4 is labeled.

Claim 15 (Original): The method of Claim 11 wherein the cDkk-4 is a fusion protein.

Claims 16-37 (Cancelled).